

Document Processing Desk (DCI/AD)
U.S. EPA (7510P)
Office of Pesticide Programs
One Potomac Yard (South Building)
2227 South Crystal Drive
Arlington, VA 22202

Lonza Inc.
90 Boroline Road
Allendale, NJ 07401, USA

Robert J. Sloan
Senior Manager
Regulatory Compliance - Americas

Phone: (201) 316-9365
Fax: (201) 696-3569
bob.sloan@lonza.com

Attention: Reevaluation Team Leader, PM 36

June 7, 2012

DATA CALL-IN RESPONSE

ID# CDGI-115501-1137

2,4-Imidazolinonedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-

DCI RESPONSE

THIS SUBMISSION IS NOT SUBJECT TO FEES UNDER PRIA

Dear Mr. Wormell,

Enclosed is the H&S Chemicals Division, c/o Lonza, Inc. response to the subject Generic DCI.

Where waivers are requested, we assume that the Agency will not require the data based upon the outcome of the environmental fate studies as stated in the Final Work Plan for this chemical.

In support of this Notification, enclosed are the following:

1. Data Call-In Response form
2. Requirements Status and Registrant's Response Form
3. One copy of a letter from the American Chemistry Council supporting the uses of "Option 2" in section 9 of the response form.
4. One copy, each, of the current label for each registered product

If you have any questions, please call me at 1-800-777-1875, ext. 9365.

Best regards
Lonza Inc

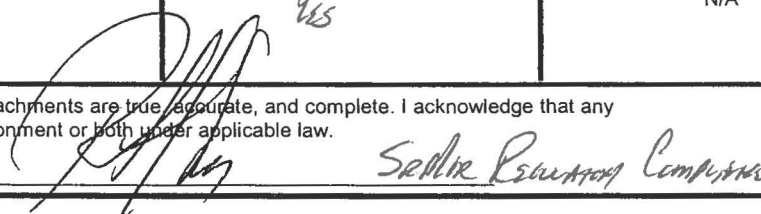

Robert J. Sloan
Senior Manager, Regulatory Compliance - Americas



United States Environmental Protection Agency
Washington, D.C. 20460
DATA CALL-IN RESPONSE

OMB Approval 2070-0174

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

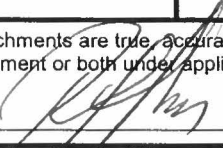
1. Company Name and Address LONZA INC 90 BOROLINE ROAD ALLENDALE, NJ 07401		2. Case # and Name N/A - 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl- Chemical # and Name: 115501 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-		3. Date and Type of DCI and Number 16-Mar-2012 GENERIC ID # GDCL-115501-1137	
4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data Requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirement on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirement on the attached form entitled "Requirements Status and Registrant's Response."
6836-111			Yes	N/A	N/A
6836-112			Yes	N/A	N/A
6836-119			Yes	N/A	N/A
6836-199			Yes	N/A	N/A
6836-200			Yes	N/A	N/A
6836-207			Yes	N/A	N/A
6836-208			Yes	N/A	N/A
6836-271			Yes	N/A	N/A
6836-306			Yes	N/A	N/A
6836-307			Yes	N/A	N/A
6836-322			Yes	N/A	N/A
8. Certification: I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.				9. Date	
Signature and Title of Company's Authorized Representative 				June 7, 2012	
10. Name of Company LONZA INC				11. Phone Number 2013169365	

United States Environmental Protection Agency
Washington, D.C. 20460

OMB Approval 2070-0174

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address LONZA INC 90 BOROLINE ROAD ALLENTOWN, NJ 07401		2. Case # and Name N/A - 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl- Chemical # and Name: 115501 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-			3. Date and Type of DCI and Number 16-Mar-2012 GENERIC ID # GDCL-115501-1137				
4. Guideline Requirement Number	5. Study Title	P R O T O C O L	Progress Reports			6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
			1	2	3				
	Applicator Exposure Data Requirements (Conventional Chemical)								
875.1100	Dermal exposure--outdoor (7, 12, 16, 24)	Y				X	TEP	24	2
875.1200	Dermal exposure--Indoor (7, 11, 15, 24)	Y				X	TEP	24	2
875.1300	Inhalation exposure--outdoor (7, 12, 16, 24)	Y				X	TEP	24	2
875.1400	Inhalation exposure--indoor (7, 11, 15, 24)	Y				X	TEP	24	2
875.1600	Application exposure monitoring data reporting (18, 21)	N				X	TEP	24	2
875.1700	Product Use Information	N				X	TEP	12	2
875.2700	Product Use Information	N				X	TEP	12	1
	Environmental Fate Data Requirements (Conventional Chemical)								
835.2120	Hydrolysis of parent and degradates as a function of pH at 25 C (34)	N				X	PAIRA; TGA	12	1
10. Certification: I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law. Signature and Title of Company's Authorized Representative  Sarah Brown, President							11. Date June 7, 2012		
12. Name of Company LONZA INC							13. Phone Number 201 316 9865		

United States Environmental Protection Agency
Washington, D.C. 20460

OMB Approval 2070-0174

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address LONZA INC 90 BOROLINE ROAD ALLENDALE, NJ 07401		2. Case # and Name N/A - 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl- Chemical # and Name: 115501 2,4-Imidazolidinedione, 1,3-bis(hydroxymethyl)-5,5-dimethyl-			3. Date and Type of DCI and Number 16-Mar-2012 GENERIC ID # GDCI-115501-1137				
4. Guideline Requirement Number	5. Study Title	P R O T O C O L	Progress Reports			6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
			1	2	3				
	Toxicology Data Requirements (Conventional Chemical)								
870.3250	90-day dermal toxicity (19, 25)	N				X	TGAI/TGAI & EP	24	9 9 9 9 9 9 1 1
870.3465	90-day inhalation toxicity (4, 29)	N				X	TGAI	24	
870.3700	Prenatal developmental toxicity study (2, 3, 22, 35, 38)	N				X	TGAI	24	
870.3800	Reproduction and fertility effects (3, 32, 37)	N				X	TGAI	48	
870.4100	Chronic toxicity (5, 28, 33)	N				X	TGAI	48	
870.4200	Carcinogenicity (1, 5, 20, 27, 28, 33)	N				X	TGAI	48	
870.7600	Dermal penetration (30)	N				X	CHOICE	24	
835.1110	Activated sludge sorption isotherm	N				X	TGAI	12	



June 2, 2008

Frank Sanders, Director
Antimicrobials Division
Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

Re: Reliance on Antimicrobial Exposure Assessment Task Force II Data by
Members in Good Standing

Dear Mr. Sanders:

I am writing on behalf of the of the American Chemistry Council Antimicrobial Exposure Assessment Task Force II (AEATF II) to inform you of its membership. These member companies actively participate in the AEATF II to share in the cost to generate exposure data. This confirmation is required by Data Call-Ins (DCIs) issued by your Division to support the reregistration of selected antimicrobial pesticides.

Attached to this letter is a list of all the current members in good standing as of the date of this letter. As the membership changes, you will be advised in a timely manner. Each of these companies is sharing in the cost of studies that are intended to satisfy the following exposure data requirements:

875.1100	Dermal Exposure – Outdoor
875.1200	Dermal Exposure – Indoor
875.1300	Inhalation Exposure – Outdoor
875.1400	Inhalation Exposure – Indoor
875.1600	Application Exposure Monitoring Data Reporting
875.1700	Product Use Information
875.2800	Description of Human Activity

Please accept this letter as evidence that the companies on the attached list are participants in the AEATF II Agreement to share in the costs and development of data to satisfy the above listed data requirements. If you have any questions, or need additional information, please contact me at 703-741-5637.

Sincerely,

A handwritten signature in black ink that reads "Hasmmukh Shah".

Hasmmukh Shah
Manager, AEATF II

Enclosure: List of Participating Companies



American Chemistry Council

Antimicrobial Exposure Assessment Task Force II (AEATF II)

Member Companies

January 1, 2006

Acti-Chem Specialties/THOR
AEGIS Environments
Alco Chemical Corporation
AlEn del Norte, S.A. de C.V.
Ameribrom Inc/Clearon Corporation
Arch Chemicals, Inc.
Ashland Inc.
BASF Corporation
BioLab Inc.
Buckeye International, Inc.
Buckman Laboratories International
Chemical Specialties Inc.
Ciba Specialty Chemicals Corp.
Clariant Corporation
The Clorox Company
The Dow Chemical Company
DuPont
Ecolab
Eka/ Akzo Nobel Chemicals Inc./Eka
Erco Worldwide
Hercules Incorporated
International Specialty Products
Janssen Pharmaceutica
JohnsonDiversey Inc.
Kemira Chemicals, Inc.
Lanxess
Lonza Inc.
The Lubrizol Corporation
Mason Chemical Company
Nalco
Osmose Inc.
Occidental Chemical Corporation
Reckitt Benckiser Inc.
Rhodia Inc.
Rohm and Haas Company
R.T. Vanderbilt Company, Inc.
SC Johnson & Son, Inc.
Sostram Corporation
Stepan Company
STERIS Corporation
Syngenta Crop Protection, Inc.
Troy Chemical Corporation
Verichem



GLYCOSERVE LAD

Contents: LIQUID

Active Ingredients

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin.....	45.0%
Hydroxymethyl-5,5-dimethylhydantoin.....	10.0%
Inert Ingredients.....	<u>45.0%</u>
Total	100.0%

This product contains the toxic inert ingredient formaldehyde at a maximum concentration of 2.0%.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [left] [side] [right] [back] panel for Precautionary Statements

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

EPA Reg. #6836-111
EPA Est. #6836-PA-01
Net Weight (as marked on container)

Lonza Inc.
90 Boroline Road
Allendale, New Jersey 07401



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention in irritation persists.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

PRESERVATION OF SOFT DETERGENTS

GLYCOSERVE LAD preserves and aids in the control of the growth of objectionable bacteria and fungi in liquid detergents and soft soaps.

This product should be added to the liquid detergent or soft soap formulation at the rate of 2.5 to 10 pounds per 1000 lbs. or to 2,500 to 10,000 ppm based upon the total weight of the formulation.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Keep container closed. Store in dry place. Do not store at elevated temperatures. Keep from freezing. Open dumping is prohibited. Do not reuse or refill empty container.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Nonrefillable container. Triple rinse or equivalent. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of way of smoke.



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Keep container closed. Store in dry place. Do not store at elevated temperatures. Keep from freezing. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of way of smoke.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

For use as a preservative for room deodorizers, soft detergents, industrial and household waterbased paints, and as a disinfectant, algacide, and/or slimicide for industrial uses.

Reformulated or repackaged products must be registered with EPA. The registrant is responsible for obtaining his own registration.

GLYCOSERVE

FOR REFORMULATING AND/OR REPACKAGING USE

Contents: LIQUID

Active Ingredients	
1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin	45.0%
Hydroxymethyl-5,5-dimethylhydantoin	10.0%
Inert Ingredients	45.0%
Total	100.0%

This product contains the toxic inert ingredient formaldehyde at a maximum concentration of 2.0%.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

EPA Reg. #6836-112
EPA Est. #6836-PA-01
NET WEIGHT (as marked on container)

Lonza Inc.
90 Boroline Road
Allendale, New Jersey 07401



DANTOGARD™ PRESERVATIVE

**PRESERVING YOUR CONFIDENCE
IN THE NEW MILLENNIUM**

Contents: LIQUID

Active Ingredients:

1,3-Bis (hydroxymethyl)-5,5-dimethylhydantoin	32.0%
Hydroxymethyl-5,5-dimethylhydantoin	7.5%
Inert Ingredients	<u>60.5%</u>
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION [PRECAUCIÓN]

EPA Reg. No. 6836-119

EPA Est. # 6836-PA-1

NET WEIGHT (as marked on container)

[DOT Symbols]

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

Lonza Inc.

90 Boroline Road

Allendale, NJ 07401

Emergency Contact Number: (_____)



Dantogard Preservative

EPA Reg. No. 6836-119

EPA Stamped Label 12-9-09 with 9-16-10 & 12-27-11 Notifications

Page 1 of 4

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Wear chemical resistant gloves when using this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.



*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOGARD preserves and aids in the control of the growth of bacteria and fungi in water based coatings (architectural coatings and water based emulsions), water based stains, sealants, adhesives, caulks, joint cements, resin emulsions, inks, textile processing chemicals (lubricants, sizing and coating compounds), liquid detergents, fabric softeners, soft soaps, household cleaners, room deodorizers and air fresheners, water based surfactants, polymer emulsions, protective or decorative coatings, water based gels for household and industrial products, textiles, water-based adhesives, sealants and caulks, latex for paper coatings, water based inks and water-based paints for industrial and household use.

DANTOGARD must be added to the formulation to be preserved at the rate of 3.4 to 13.8 lbs. per 1000 lbs. or 3,400 to 13,800 ppm based upon the total weight of the formulation to be protected.

If the above articles have been treated with DANTOGARD, do not use them as components in materials used in food packaging and food-holding.

DANTOGARD preserves and controls the growth of bacteria in aqueous dispersions of inorganic minerals (clay-slurries) used in the manufacture of food-contact and non-food contact paper and paperboard. Use DANTOGARD at levels of 1.0 to 6.0 lbs. per ton of aqueous mineral slurry (500 - 3000 ppm).

ALTERNATE TEXT FOR ABOVE PARAGRAPH:

DANTOGARD preserves and controls the growth of bacteria and fungi in aqueous dispersions of inorganic mineral slurries such as clay, kaolin clay, calcium carbonate and titanium dioxide used in the manufacture of food contact and non-food contact paper and paperboard for both filler and paper coatings applications.]

DANTOGARD may be used in metalworking fluids to prevent fungal growth at concentrations of 0.08% - 0.50%. Levels of DANTOGARD must be checked periodically since many cutting oils are unstable upon standing. Workers must take precautions to minimize inhalation exposure to metalworking fluid mists. OSHA limits for oil mist: Time Weighted Average (TWA = 5 mg/m³); Short Term Exposure Limit (STEL = 10 mg/m³).



{Note to reviewer: For Nonrefillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

{Plastic and Metal Containers:} Triple rinse (or equivalent). Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

{Bag in Box Containers:} Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

{Note to reviewer: For Plastic or Metal Refillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Pesticide Storage:

Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Triple rinse (or equivalent).



DANTOGARD™ XL-1000 PRESERVATIVE

ACTIVE INGREDIENTS:

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin 95.5%

Hydroxymethyl-5,5-dimethylhydantoin 4.0%

INERT INGREDIENTS 0.5%

TOTAL 100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER

See (side) (back) (left) (right) panel for Precautionary Statements

FIRST AID

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

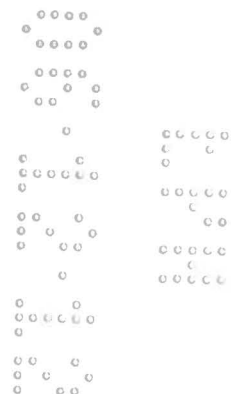
EPA Registration No. 6836-199

EPA Establishment No. 6836-PA-01

Net Weight (As marked on container)

Manufactured by:

Lonza Inc., 90 Boroline Road, Allendale, NJ 07401



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes or on skin or on clothing. Wear goggles or face shield and chemical resistant gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOGARD™ XL-1000 preserves and aids in the control of bacteria and fungi in liquid detergents, fabric softeners, household cleaning products, soft soaps, water-based paints for household and industrial use, room deodorizers and air fresheners, water-based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for household and industrial products, textiles, water-based adhesives, sealants and caulks, latex for paper coatings, and water-based inks.

DANTOGARD™ XL-1000 should be added to the formulation to be preserved at a rate of 1.0 to 10.0 lbs. per 1000 lbs. or 0.1% to 1.0% or 1,000 to 10,000 ppm based upon the total weight of the product to be protected.

If the above articles have been treated with Dantogard XL-1000, do not use them as components in materials used in food packaging and food-holding.

DANTOGARD™ XL-1000 may be used in metalworking fluids to prevent fungal growth at concentrations of 0.32% - 0.20%. Levels of DANTOGARD™ XL-1000 should be checked periodically since many cutting oils are unstable upon standing. Workers should take precautions to minimize inhalation exposure to metalworking fluid mists. OSHA limits for oil mist: Time Weighted Average (TWA = 5 mg/m³); Short Term Exposure Limit (STEL = 10 mg/m³).

STORAGE AND DISPOSAL

Keep container closed. Store in a dry place. Do not store at elevated temperatures. Keep from freezing. Do not reuse or refill empty container.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Nonrefillable container. Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DANTOGARD PLUS INDUSTRIAL PRESERVATIVE

ACTIVE INGREDIENTS:

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin	87.00%
Hydroxymethyl-5,5-dimethylhydantoin	0.40%
3-Iodo-2-propynyl butyl carbamate.....	4.50%
INERT INGREDIENTS	8.10%
TOTAL	100.00%

KEEP OUT OF REACH OF CHILDREN

DANGER [PELIGRO]

FIRST AID

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Registration No. 6836-200

EPA Establishment No. 6836-PA-01

Net Contents (*As indicated on container*)

[DOT Symbols]

[Country of origin (*insert country*)]

[Manufactured in (*insert country*)]

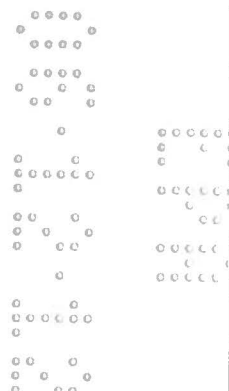
[Barcode]

Manufactured by:

Lonza Inc.

90 Boroline Road

Allendale, NJ 07401



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes or on skin or on clothing. Avoid contact with skin. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- long-sleeve shirt and long pants
- chemical-resistant gloves (such as rubber or any waterproof material)
- shoes plus socks
- goggles or face shield

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users must:

- wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

KEEP CONTAINER CLOSED

STORE IN A DRY PLACE

DO NOT STORE AT ELEVATED TEMPERATURES

KEEP FROM FREEZING

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

GENERAL PRECAUTIONS AND RESTRICTIONS:

Do not apply this product in a way that will contact workers or other persons.

GENERAL INFORMATION:

DANTOGARD PLUS INDUSTRIAL PRESERVATIVE preserves and aids in the control of bacteria and fungi in liquid detergents, fabric softeners, household cleaning products, soft soaps, water-based paints for households and industrial use, room deodorizers and air fresheners, water-based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for household and industrial products, textiles, water-based adhesives, sealants and caulks, latex for paper coatings, and water-based inks.

This product is not cleared by the Federal Food, Drug and Cosmetic Act for use on food-contact paper and adhesives.

DANTOGARD PLUS INDUSTRIAL PRESERVATIVE must be added to the formulation to be preserved at a rate of 1.0 to 10.0 lbs. per 1000 lbs. or 0.1% to 1.0% or 1,000 to 10,000 ppm based upon the total weight of the product to be protected.

METALWORKING FLUID PRESERVATION:

DANTOGARD PLUS INDUSTRIAL PRESERVATIVE is used to control bacterial and fungal growth in metalworking fluids when added at a concentration of 0.07% - 0.45%.

Redose as necessary depending upon the rate of preservation dilution with makeup fluid, the nature and severity of contamination, level of microbial control required, filtration effectiveness, system design, etc.

{Note to reviewer: For Nonrefillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

{Plastic and Metal Containers:} Triple rinse (or equivalent). Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

{Metal containers only:} DO NOT cut or weld metal containers.

{Bag in Box Containers:} Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

LONZA

90 Boroline Road
Allendale, New Jersey 07401
EMERGENCY TEL. NO. 309-697-5400

DANTOGARD® II PRESERVATIVE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing. Wear protective clothing (long-sleeve shirt and long pants, socks plus shoes and chemical resistant gloves such as water proof gloves). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Keep container Closed. Store in a dry place. Do not store at elevated temperatures. Keep from freezing.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities by burning. If burned, stay out of way of smoke.

Contents: LIQUID

Active Ingredients:

1,3-Bis (hydroxymethyl)-5,5-dimethylhydantoin 26.4%
Hydroxymethyl-5,5-dimethylhydantoin 23.2%

Other Ingredients: 50.4%
100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

EPA Reg. No. 6836-207
EPA Est. # 6836-PA-1
NET WEIGHT (as marked on container)

Manufactured By:
Lonza Inc.
90 Boroline Road
Allendale, New Jersey 07401

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOGARD II preserves and aids in the control of the growth of bacteria and fungi in liquid detergents, soft soaps, water-based paints for industrial and household use, room deodorizers and air fresheners, water based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for industrial and household products, textiles, water-based adhesives, latex for paper coatings and water-based inks.

DANTOGARD II should be added to the formulation to be preserved at the rate of 1.0 to 10.0 lbs. per 1000 lbs. or 0.1% to 1.0% or 1,000 to 10,000 ppm based upon the total weight of the formulation to be protected.

NOTE: DANTOGARD II may not be used in food grade adhesives and paper coatings or as a component in materials used in the packaging or holding of food.

GLYCOSERVE II PRESERVATIVE

FOR MANUFACTURING USE ONLY

Active Ingredients:

1,3-Bis (hydroxymethyl)-5,5-dimethylhydantoin	33.2%
1-(hydroxymethyl)-5,5-dimethylhydantoin	31.5%
Other Ingredients	<u>35.3%</u>
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION [PRECAUCIÓN]

EPA Registration No. 6836-208

EPA Establishment No. 6836-PA-01

Net Weight (As marked on container)

[DOT Symbols]

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

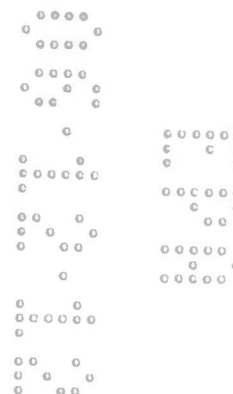
Emergency Contact Number: (_____)

Manufactured by:

Lonza Inc.,

90 Boroline Road

Allendale, NJ 07401



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Causes Moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear chemical resistant gloves when using this product. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.



*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use GLYCOSERVE II PRESERVATIVE to manufacture products that are used to control bacteria and fungi in liquid detergents, soft soaps, water-based paints for household and Industrial use, room deodorizers and air fresheners, water-based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for household and Industrial products, textiles, water-based inks, and non-food contact water-based adhesives and latex for paper coatings.

Formulators and repackagers of this product must obtain their registrations from the Environmental Protection Agency.

{Note to reviewer: For Nonrefillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

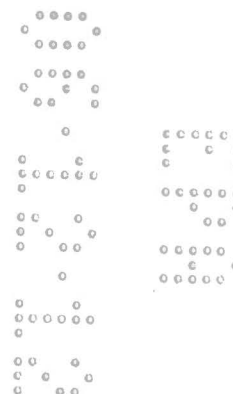
Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

{Plastic and Metal Containers:} Triple rinse (or equivalent). Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

{Metal containers only:} DO NOT cut or weld metal containers.

{Bag in Box Containers:} Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.



DANTOGARD PLUS LIQUID™

PRESERVING YOUR CONFIDENCE™

Active Ingredients:

1,3-Bis(hydroxymethyl)-5,5-dimethylhydantoin	26.9%
1-(Hydroxymethyl)-5,5-dimethylhydantoin	25.5%
3-Iodo-2-propynyl butyl carbamate	2.5%
Inert Ingredients	45.1%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION [PRECAUCIÓN]

EPA Reg. No. 6836-271

EPA Est. No. 6836-PA-01

Net Weight: (As marked on container)

[DOT Symbols]

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

Manufactured by:

Lonza Inc.

90 Boroline Road

Allendale, NJ 07401



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID

Call a Poison Control Center or doctor for treatment advice.

IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

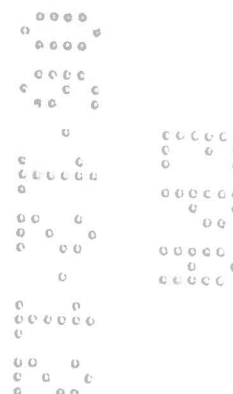
IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by a Poison Control Center or doctor.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. In case of emergency or for additional information call *(insert phone number)*.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.



*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOGARD PLUS LIQUID preserves and aids in the control of bacteria and fungi in liquid detergents, fabric softeners, household cleaning products, soft soaps, water-based paints for household and industrial use, room deodorizers and air fresheners, water-based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for household and industrial products, textiles, water-based adhesives, sealants and caulks, latex for paper coatings, and water-based inks.

This product is not cleared by the Federal Food, Drug and Cosmetic Act for use on food-contact paper and adhesives.

DANTOGARD PLUS LIQUID must be added to the formulation to be preserved at a rate of 2.0 to 20.0 lbs. per 1000 lbs. or 0.2% to 2.0% or 2,000 to 20,000 ppm based upon the total weight of the product to be protected.

METALWORKING FLUID PRESERVATION:

DANTOGARD PLUS LIQUID is used to control bacterial and fungal growth in metalworking fluids when added at a concentration of 0.07% - 0.45%.

Redose as necessary depending upon the rate of preservation dilution with makeup fluid, the nature and severity of contamination, level of microbial control required, filtration effectiveness, system design, etc.

{Note to reviewer: For Nonrefillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying.

{Plastic and Metal Containers:} Triple rinse (or equivalent). Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

{Metal containers only:} DO NOT cut or weld metal containers.

{Bag in Box Containers:} Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

DANTOSERVE™ SG

MICROBIOCIDES

INDUSTRIAL PRESERVATIVE

Active Ingredients:

1,3-Bis (hydroxymethyl)-5,5-dimethylhydantoin	29.4%
1-(hydroxymethyl)-5,5-dimethylhydantoin	27.9%
1,2-benzisothiazolinon-3-one	1.1%
Other Ingredients:	41.6%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION [PRECAUCIÓN]

See [side] [back] [left] [right] panel for Precautionary Statements and First Aid

EPA Reg. No. 6836-306

EPA Est. No. (As marked on container)

NET CONTENTS: (As marked on container)

[DOT Symbols]

[Country of origin (insert country)]

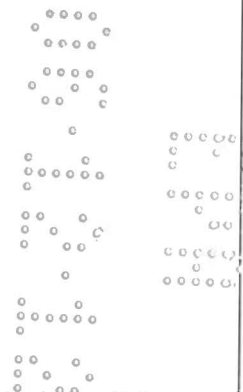
[Manufactured in (insert country)]

[Barcode]

LONZA INC.

90 Boroline Road

Allendale, NJ 07401



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, and others exposed to benzisothiazolinone products must wear:

- long-sleeve shirt and long pants
- chemical-resistant gloves
- socks and chemical resistant footwear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY REQUIREMENTS

Users must:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOSERVE™ SG preserves and aids in the control of bacteria and fungi in household products such as: detergent products including liquid laundry detergents and liquid dishwashing detergents, fabric softeners, liquid soaps, room deodorizers / air fresheners, water-based surfactants, carpet shampoos, polishes, waxes, polymer emulsions and water-based gels / emulsions for household products and textiles. DANTOSERVE™ SG must be added to the formulation to be preserved at a rate of 0.05% to 1.00% [500 to 10,000 ppm] based on the total weight of the product to be protected.

DANTOSERVE™ SG preserves and aids in the control of bacteria and fungi in industrial products such as: polymer emulsions and natural latex, surfactant solutions, tackifiers derived from resin and hydrocarbon resins, water-based paints, paint components, stains and coatings for household and industrial use, protective and decorative coatings, water-based adhesives, sealants, joint cements and caulks, drywall compounds and spackling paste, latex for paper coatings, metalworking fluids [soluble and emulsifiable-type aqueous systems], water-based gels for industrial products and textiles; and water-based inks. DANTOSERVE™ SG must be added to the formulation to be preserved at a rate of 0.05% to 1.00% [500 to 10,000 ppm] based on the total weight of the product to be protected. This product is not to be used for food-contact packaging.

Use DANTOSERVE™ SG as a preservative in the manufacture of alkaline, acid and emulsion-based metal cleaning fluids typically used in electroplating, electrodeposition, phosphatizing, galvanizing and general metal cleaning operations. DANTOSERVE™ SG must be added to the cleaning fluid to be preserved at a rate of 0.05% to 1.00% [500 to 10,000 ppm] based upon the total weight of the solution.

Use DANTOSERVE™ SG as a preservative in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume water and 60% by weight mineral oil using an oil-solubilizing emulsifying agent. DANTOSERVE™ SG must be added at a rate of 0.05% to 1.00% [500 to 10,000 ppm] based on the total weight of the solution.

To ensure uniform distribution, slowly disperse DANTOSERVE™ SG into product with agitation. Mix thoroughly until evenly dispersed throughout product.

{Note to reviewer: For Plastic or Metal Nonrefillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal: Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse [or equivalent]. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

{Note to reviewer: For Plastic or Metal Refillable Containers, not a dilutable product. Chapter 13, Table 6 of the Label Review Manual states that for "All products in containers that could be burned," the registrant has the option to "Remain silent on burning;" therefore, no incineration language is provided for plastic containers.}

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal: Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Triple rinse [or equivalent]. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.



DANTOSERVE™ MS

MICROBIOCIDES

INDUSTRIAL PRESERVATIVE

Active Ingredients:

1,3-bis(hydroxymethyl)-5,5 dimethylhydantoin	29.4%
1-(hydroxymethyl)-5,5-dimethylhydantoin	27.9%
1,2-benzisothiazolinon-3-one	1.1%
Other Ingredients	41.6%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION [PRECAUCIÓN]

See [side] [back] [left] [right] panel for Precautionary Statements and First Aid

EPA Reg. No. 6836-307

EPA Est. No. 6836-PA-01

NET CONTENTS: (As marked on container)

[DOT Symbols]

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

LONZA INC.

90 Boroline Road

Allendale, NJ 07401

DANTOSERVE™ MS

EPA Reg. No. 6836-307

EPA Stamped Label 9-30-10 with 1-11-12 Notification

{Note to reviewer: Language in [] is considered optional or interchangeable}

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, and others exposed to benzisothiazolinone products must wear:

- long-sleeve shirt and long pants
- chemical-resistant gloves
- socks and chemical resistant footwear.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning / maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY REQUIREMENTS

Users must:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

ENVIRONMENTAL HAZARDS

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. [If you do not understand the label, find someone to explain it to you in detail.]*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOSERVE™ MS preserves and controls the growth of bacteria and fungi in aqueous dispersions of inorganic mineral slurries such as clay, kaolin clay, calcium carbonate and titanium dioxide used in the manufacture of food contact and non-food contact paper and paperboard for both filler and paper coatings applications.

The components of DANTOSERVE™ MS are acceptable under 21 CFR §176.170 and §176.180 for production of paper to be used for both dry, aqueous and fatty food contact.

DANTOSERVE™ MS should be added to the mineral slurry to be preserved at a rate of 0.05% to 0.30% [500 to 3,000 ppm] based on the total weight of the product to be protected.

To ensure uniform distribution, slowly disperse DANTOSERVE™ MS into the product with agitation. Mix thoroughly until evenly dispersed throughout the product.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Keep container closed. Store in dry place. Do not store at elevated temperatures. Keep from freezing. Keep this product in the original container when not in use.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Nonrefillable container. Do not reuse or refill this container.

(Metal containers) Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

(Plastic containers) Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DANTOGARD™ 2000 PRESERVATIVE

PRESERVING YOUR CONFIDENCE IN THE NEW MILLENNIUM

Contents: LIQUID

Active Ingredients:

1,3-Bis (hydroxymethyl)-5,5-dimethylhydantoin	33.2%
Hydroxymethyl-5,5-dimethylhydantoin	31.5%
Other Ingredients	<u>35.3%</u>
Total	100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

Lonza Inc.
90 Boroline Road
Allendale, NJ 07401

Emergency Contact Number: (_____)

NET WEIGHT (as marked on container)

EPA Reg. No. 6836-322

EPA Est. # 6836-PA-1

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]



Dantogard 2000 Preservative
EPA Reg. No. 6836-322
EPA Stamped Label 8-15-11

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Causes moderate eye irritation. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Wear safety goggles or faceshield and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

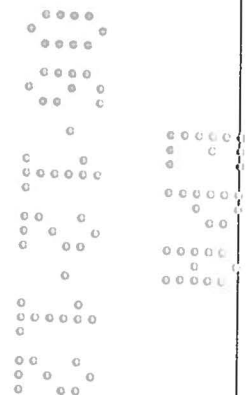
IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration preferably by mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.



(Note to reviewer: For Nonrefillable Containers for commercial, industrial, and institutional uses)

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to persons unfamiliar with its use.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

(Note to reviewer: This Container Statement will be used only for containers 5 gallons or less:)

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Clean container promptly after emptying.

(Plastic and Metal Containers:) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For metal containers only: DO NOT cut or weld metal containers.)

(For Bag in Box Containers:) Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Note to reviewer: This Container Statement will be used for containers over 5 gallons:)

Container Disposal:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

(Plastic and Metal Containers:) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(For metal containers only: DO NOT cut or weld metal containers.)

(Bag in Box Containers:) Completely empty bag into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DANTOGARD 2000 PRESERVATIVE preserves and aids in the control of the growth of bacteria and fungi in liquid detergents, soft soaps, water-based paints for household and Industrial use, room deodorizers and air fresheners, water-based surfactants, polymer emulsions, protective or decorative coatings, water-based gels for household and Industrial products, textiles, water-based inks, and non-food contact water-based adhesives and latex for paper coatings and oil field applications including well bore cleaning products, drilling fluid additives, drilling muds, hydraulic fluids, workover, completion, fracturing and packer fluids, hydrotesting, water flooding, storage wells and systems, oil and gas production and transmission pipelines and systems and pipeline pigging and scraping operations.

Industrial and Household Applications

Add DANTOGARD 2000 PRESERVATIVE to the formulation to be preserved at the rate of 2.3 to 9.4 lbs. per 1000 lbs. or 2300 to 9400 ppm based upon the total weight of the formulation to be protected.

If the above articles have been treated with DANTOGARD 2000 PRESERVATIVE, do not use them as components in materials used in food packaging and food-holding.

DANTOGARD 2000 PRESERVATIVE may be used in metalworking fluids to prevent microbial growth at concentrations of 0.05 – 0.31% in the diluted metalworking fluid. Levels of DANTOGARD 2000 PRESERVATIVE must be checked periodically since many cutting oils are unstable upon standing. Workers must take precautions to minimize inhalation exposure to metalworking fluid mists. OSHA limits for oil mist: Time Weighted Average (TWA = 5 mg/m³); Short Term Exposure Limit (STEL = 10 mg/m³). Formulators: Add DANTOGARD 2000 PRESERVATIVE to the metalworking fluid concentrate to achieve 0.05 – 0.31% in the diluted metalworking fluid.

Oil Field and Petrochemical Operations

For oil field and petrochemical operations, use in closed delivery systems only.

Dantogard 2000 preserves and aids in the control of sulfate reducing bacteria and general aerobic bacteria, including microorganisms, in oil field recovery, processing, distribution and support systems such as water injection, produced lines, storage tanks and pipelines. Dantogard 2000 is effective for use in controlling microbial growth in fluids used in drilling, completion, workover and stimulation of oil wells. Specific treatment requirements vary among oilfield sites and subsystem components. Oil field fluids and subsystems most commonly requiring microbial contamination control are raw water sources, separators, ballast, storage, and mixing tanks, screens, surface injection equipment, production equipment (including injection and production piping casting, completion, and valving) and the formation itself. The primary point of treatment will vary among oilfield operations depending on the site problems, water-flood treatment methods and equipment.

Production addition must be made with a metering pump or similar device. This product must be slug fed, continuously fed, or fed on an intermittent basis depending on the degree of system fouling. The frequency and duration of doses will vary with the individual systems and must be established through experience.

Water Floods

Dantogard 2000 must be added to a water flood system at a point where uniform mixing will occur.

Initial Treatment:

When the system is noticeably contaminated, add 2,000 to 7,000 ppm Dantogard 2000 (1.7 to 5.9 gallons Dantogard 2000 per 1,000 gallons flood water) When added to a flowing system, slug dose for 4–6 hours based on flow rates. Repeat as necessary until control is achieved.

Subsequent Treatment:

Once control has been achieved, add 2,000 – 7,000 ppm Dantogard 2000 (1.7 to 5.9 gallons Dantogard 2000 per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

Continuous treatment:

Dantogard 2000 can be dosed continuously at a level of 750 – 2,000 ppm (0.6 to 1.7 gallons Dantogard 2000 per 1,000 gallons flood water).

Drilling Muds, Packer Fluids, Fracturing Fluids, Completion and Workover Fluids

Dantogard 2000 must be added to these fluids at a point where uniform mixing will occur. Add 1,000 – 7,000 ppm Dantogard 2000 (3.5 to 24.7 gallons Dantogard 2000 per 100 barrels of fluid) to a freshly prepared fluid depending on severity of contamination.

Well Bore Cleaning Products, Hydraulic Fluids, Drilling Fluid Additives

Add 1,000 - 5,000 ppm Dantogard 2000 (3.5 to 17.7 gallons Dantogard 2000 per 100 barrels of fluid) to the formulation to be preserved.

Hydrotesting

Water used to hydrotest pipelines or vessels must contain 500 – 7,000 ppm Dantogard 2000 (0.4 to 5.9 gallons Dantogard 2000 per 1,000 gallons flood water) depending on water quality and length of time equipment will be idle.

Gas Storage Wells and Systems

Individual injection wells must be treated with 2,000 – 7,000 ppm Dantogard. Injections must be repeated as needed to maintain control.

Individual drips must be treated with a sufficient quantity of Dantogard 2000 to produce a concentration of 1,500 to 5,000 ppm Dantogard 2000 when diluted by the water present in the drip. Injections must be repeated as needed to maintain control.

Oil and Gas Production and Transmission Pipelines and Systems

Dantogard 2000 must be added at a point in the system where uniform mixing will occur. The application must be conducted to ensure maximum distribution of Dantogard 2000 through the entire internal surface of the pipeline. Injections to the system must be weekly, or as needed to maintain control.

Slug dose:

For a noticeably fouled system, add 2,000- 10,000 ppm Dantogard 2000 (1.7 to 8.4 gallons Dantogard 2000 per 1,000 gallons flood water) for 4 – 6 hours based on flow rates. Repeat as necessary until control is achieved.

Subsequent Treatment:

Once control has been achieved, add 1,500 – 5,000 ppm Dantogard 2000 (1.3 to 4.2 gallons Dantogard 2000 per 1,000 gallons flood water) to the system weekly, or as needed to maintain control.

Continuous treatment:

Dantogard 2000 can be dosed continuously at a level of 750 – 2,500 ppm (0.6 to 2.1 gallons Dantogard 2000 per 1,000 gallons flood water).

Pipeline Pigging and Scraping Operations

Add Dantogard 2000 to a slug of water following the scraper. Add Dantogard 2000 at 3,000 - 14,000 ppm (0.3 to 1.2 gallons Dantogard 2000 per 100 gallons water) depending on the length of the pipeline and severity of biofouling.